



## PATENT ABSTRACTS OF JAPAN

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**YAMAMOTO TOSHIO****(54) CATALYST FOR PURIFYING EXHAUST GAS****(57) Abstract:**

**PROBLEM TO BE SOLVED:** To control the sintering of a noble metal and to keep NOx occlusion/ reduction capacities high from initial period until after an endurance test.

**SOLUTION:** In a catalyst for purifying exhaust gas in which a catalyst support is constituted from a zeolite

support and a porous support, and a noble metal and an occlusion material are supported on the catalyst support,  $\approx 50$  wt.% of the noble metal is supported on the zeolite support. An NOx purification capacity in the initial period is guaranteed by Pt supported on the porous support, and the NOx purification capacity after an endurance test is guaranteed because the sintering is controlled by Pt supported on the zeolite support.

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